

### FARM QUESTIONS ANSWERED

Question: What is the best way to protect tobacco plant beds from flea-beetle damage?

Answer: The trap bed has given excellent results in the control of this insect. This bed is made by fitting boards closely around the margin of the bed and bank-soil around these boards so that the beetles cannot crawl under them. A trap is then built at least two feet around the tight bed. This area is sown with tobacco seed and as soon as the plants are up they should be kept well covered with poison at all times. Full directions for building a trap bed for the control of flea-beetles as well as control measures for other tobacco insects are given in Extension Circular No. 174 and copies may be had free upon application to the Agricultural Editor at State College.

Question: When should lespedeza be sown on small grain?

Answer: This, of course, depends upon the variety seeded, but the usual practice is to sow in February or March. The Korean variety germinates in about two weeks and the other varieties in from four to established before the hot-dry weather, but late enough to avoid freezes. If the seed are broadcast at least one bushel of seed (25 pounds) should be sown to the acre. When drilled in, less seed is required, but the drill should be set to run very shallow and the seed mixed with superphosphate, basic slag, or ground limestone for better coverage.

Question: Should eggs be handled after they are set for hatching?

Answer: Yes. All eggs should be handled on the seventh day and all dead germs and infertile eggs removed. Care, however, should be exercised in the handling. A fertile egg will appear to contain a spider—the germ representing the body of the spider while the blood vessels represent the legs. An infertile egg will be clear with the yolk slightly visible. The handling should be done in a dark room or at night.

### Incubating Eggs Should Not Be Handled At All

Handling does more damage to hatching eggs between the fourth and fifteenth day of incubation than at any other time, warns Roy S. Dearstyne, head of the State College Poultry Department.

After the first fifteen days in the incubator, eggs can take a great deal of punishment and still hatch. Tests have shown that eggs with live embryos following this period may be shaken violently, whirled rapidly, and jarred sharply with a minimum damage. Only three per cent failed to hatch.

When the same rough handling was given eggs incubated between four and fifteen days, 34 per cent of the eggs showed dead embryos, Dearstyne declared.

Incubating eggs damaged by rough treatment which was not severe enough to break the shells usually showed broken yolk sacs, or ruptured blood vessels in the growing embryo. Sometimes tremulous air cells developed, but if the embryo lived, the air cells became fixed, the State College poultryman explained.

For a long time there has been

### SEED SHOW SET FOR LEXINGTON

Will Take Place Feb. 8th And 9th; Many Kinds Of Seed To Be On Display

Complete plans for the fourth annual meeting and seed exposition of the North Carolina Crop Improvement Association in Lexington Feb. 8 and 9 have been announced by A. D. Stuart of State College.

Both certified and uncertified seed of high quality will be on exhibit at the show. Seed to be shown are corn, cotton, tobacco, small grains, soybeans, cowpeas, lespedeza, peanuts, and sweet and Irish potatoes.

Practically the entire first day will be devoted to crop judging contests in which 4-H Club members and students of vocational agriculture will compete.

Highlight of the two-day meeting will come Feb. 8 when teams winning the crop judging contests will be honored at a banquet. Distinguished guests of the association will make brief talks, Stuart said.

L. R. Harrill, 4-H Club leader at State College, will award prizes to members of his organization who captured first honors in the crops judging contest. Roy H. Thomas, state supervisor of vocational agriculture, is scheduled to hand out prizes to winning vocational students.

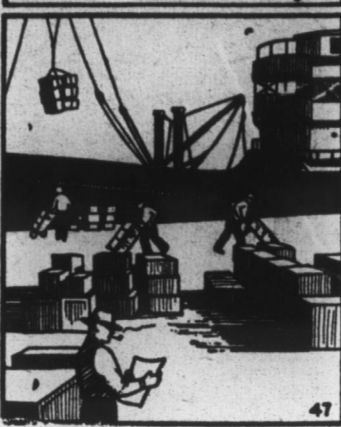
On the second day the North Carolina Crop Improvement Association will hold its annual meeting in Lexington's Soil Conservation Building. Included on the program are John B. Craven, mayor of Lexington, S. T. Henry, vice-president of NCCIA, J. B. Cotner and A. D. Stuart of State College, and W. H. Byrne of the Virginia Extension Service.

a popular belief that such disturbances as thunder, rumbling trains, dynamite explosions, and earthquakes are likely to prevent eggs from hatching. One of the objectives of the egg-handling experiment was to determine the validity of this belief.

Certain eggs were handled carefully during the incubation period. Others were subjected to rough treatment, such as being placed near blasting operations which produced a shock so severe as to break the shells of as many as one-third of the eggs.

Dearstyne said that of those eggs that escaped shell damage from the explosion, 67 per cent hatched, compared with an 83 per cent hatch from the carefully incubated eggs.

### Uncle Jim Says



With limited exports of farm products, it's not hard to guess what will happen to prices if we have many more bumper crop years like 1937.

### Soil Program Aids In Diversification

John Brown: "The 1938 program will also help you balance your farming operations."

Bill Smith: "I need to balance my income with my expenses. I've been running behind for so long that I'd about given up hope."

Brown: "It'll help you do that too. It's the best all-around farm

program I've ever hear of.

"The committeemen will tell you how many acres you should plant to the different cash crops. And by limiting your acreage of cash or soil - depleting crops, you will have other land available for growing legumes and grasses.

"With this, you can start farming on a good crop rotation system instead of keeping a field in the same crop year after year.

"The program also encourages us to grow pastures and hay crops to feed livestock. This cuts down on the expense of feed. With a well balanced farming program, many other expenses will be kept down too.

"And when you start growing more feed, you can have more livestock. You know, livestock are needed to balance out your farm enterprise."

Smith: "Yeah, I think most all of us around here could do better if we had a few more cows and hogs."

Brown: "That's right, Bill. I think we could have some more beef cattle, sheep, and work stock too. They're good money-makers. And

### DANGEROUS

It is dangerous to sell a SUBSTITUTE for 666 just to make three or four cents more. Customers are your best assets; lose them and you lose your business. 666 is worth three or four times as much as a SUBSTITUTE.

it's a lot cheaper to raise your work stock than to buy it."

Smith: "I could use some manure on my place. I've been wishing I had enough to spread on my land regularly."

Brown: "Yes. There you have still another advantage from the program. More feed, more livestock, more manure. I tell you, it's hard to beat."

### A PERMANENT JOB

Milwaukee, Wis.—High officials of the Chicago, Milwaukee, St. Paul & Pacific R. R. will gather at luncheon in one of the road's dining cars to mark the 100th anniversary of John M. Horan, a boiler inspector who has been with the company 83 years and still declines a pension. Mr. Horan got his first and only job with the Milwaukee ten years before the close of the Civil War and reports daily for his regular duty in the local yards,

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DURHAM, NORTH CAROLINA.

**TOMORROW'S FORGOTTEN MAN STOPPED ADVERTISING LAST WEEK**

**TIMES**